

Making the Connection

Thursday, December 5, 2019

Macomb Community College

MACOMB COMMUNITY COLLEGE

Students, parents invited to learn about 21st Century manufacturing

There is expected to be a 25 percent increase in advanced manufacturing jobs in Macomb County over the next few years, according to the county's office of Planning and Economic Development. Those include jobs in tool and die making, machining, mechanical engineering and computer numerical control, all of which will be topics for discussion this evening, Dec. 5, at Explore Careers in Manufacturing, 5:30 to 8 p.m., at Macomb Community College's Sports and Expo Center on South Campus.

Held in conjunction with the college's Auto STEAM Days, Dec. 4-5, which is attended by thousands of middle and high school students, the evening event is also open to parents and guardians. In addition to visiting all of the interactive Science, Technology, Engineering, Art, Math and Manufacturing (STEAM) exhibits that the students engaged in during the day, evening participants will also hear from industry insiders about the job skills that are in high demand today - and are expected to still be in high demand tomorrow.

Students will be introduced to a variety of career pathways leading to jobs in the manufacturing industry and have the opportunity to ask questions of recent Macomb graduates. Information will be available about the Michigan Apprenticeship Program Plus (MAP+) and how it can bridge the gap between school and career. There will also be free refreshments and the chance to win a laptop computer.

For more information on Explore Careers in Manufacturing, contact Ashley Schloss at 586.445.7117.

Federal designation is good news for Macomb cybersecurity students

For Connor Jurelich, recent recognition received from the National Security Agency (NSA) and the Department of Homeland Security (DHS), indicating that Macomb's cybersecurity program meets the rigorous standards of the nation's own cybersecurity experts, confirms his belief that the program is challenging and practical. The impressive stamp of approval it adds to his resume is an unexpected benefit.

Students completing Macomb's IT - Network Security Professional (Cybersecurity) Program will have a notation on their transcripts indicating that they are graduating from a National Center for Academic Excellence in Cyber Defense Education Program (CAE-CDE) Associate Level. The designation was received by Macomb in September, following an updating of its cybersecurity curriculum to conform to federal standards, evidence of the effec-



SUBMITTED PHOTOS

Macomb global supply chain management students toured the Meritor facility in Troy on Oct. 11, seeing how the processes they are learning about in the classroom are used in the workplace.

tiveness of its own cybersecurity practices and establishment of a Cybersecurity Center, a virtual and onsite repository of information on cybersecurity practices and resources.

"I am proud of the cybersecurity program we have built at Macomb. The Center of Academic Excellence designation from the National Security Agency and Department of Homeland Security validates the hard work we have put into the program," said Keith Nabozny, Information Technology faculty, who developed Macomb's cybersecurity program. "The designation tells employers that students are receiving a strong education in cybersecurity at Macomb and they will be prepared to put their skills to work."

Macomb's cybersecurity program, one of seven offered by the college in Information Technology, includes both certificate and associate degree options. The program was designed for transfer to Walsh (credits also transfer to other colleges and universities), which offers a bachelor's degree in Information Technology and is a National Security Agency/Department of Homeland Security-designated Center of Academic Excellence in Information Assurance.

Walsh, in fact, is where Jurelich is transferring to after he graduates from Macomb in December. President of Macomb's Cybersecurity Club for students, the 2018 Henry Ford II High School graduate says it was a mixture of "curiosity and surprise" that steered him toward a career in cybersecurity.

"Not only was I curious as to what kind of security vulnerabilities there are in the world," said Jurelich, "but surprised as to how many there are. I wanted to be a part of securing those critical information systems."



Connor Jurelich, president of Macomb's Cybersecurity Club for students, had his opinion of the education he is receiving at Macomb validated when the college was recently named a Center of Academic Excellence in Cybersecurity Education by the National Security Agency and Department of Homeland Security.

At Macomb, Jurelich appreciates the "no fluff" approach to teaching and learning, and the opportunity to hone practical job skills by competing along with other club members in the National Cyber League. "Practical," in fact, is a word he uses frequently to describe Macomb's cybersecurity program.

"The professors don't drown the students in countless hours of homework," he said. "Instead they prioritize so that students are learning practical skills they can take into the workforce."

Global supplier makes sense of supply chain

More than 20 students in Patrick Greek's Supply Chain Management course got a close-up view of how the processes they are learning about work in the real world this past October, when they visited Meritor, a global supplier of axles, drivelines, brakes and other products for commercial vehicles.

"Our goal was to provide the students an overview of the heavy truck and military industries. Meritor was a good fit because it hires a

number of Macomb's global supply chain management students for internship and direct employment opportunities," said Greek, who has arranged previous tours to Meritor for his students. "The students were impressed with the testing environment, work environment and culture at Meritor."

The students toured the facility and heard from the director of supply chain management, manager of testing and Judy Tighe, senior buyer and procurement co-op mentor.

"These field trips are a great opportunity to share what Meritor does and to have students experience Meritor's work culture so that we are top of mind as a potential employer before they graduate," said Tighe. "One of the principal benefits of these trips is not only creating a relationship with local schools, but also building brand awareness with emerging talent. Local schools like Macomb offer us a good talent pool, and we aim to pull from that talent to help launch careers."

The field trip was inspiring for Richard Recor, a Macomb global supply chain student who hopes to obtain one of the many internships that Meritor has to offer. A car/truck enthusiast who has worked on vehicles his "whole life," Recor is, nevertheless, drawn to the logistical side of the automotive industry. When his high school business teacher suggested he consider supply chain management, Recor thought it sounded like a perfect fit. And, after his visit to Meritor, he's even more convinced that he has chosen the right career.

"I found the inside very inviting, and the open workspace is a great idea. It's more like a museum and less like an office," said Recor. "My first impression of Meritor left me speechless."

Parents, students, guardians, family and others: Register to attend this FREE event!

Explore Careers in Manufacturing & Technology

Enjoy hands-on exhibits and activities, including a car show.

Thursday, Dec. 5, 2019 • 5:30-8pm
Macomb Community College • Sports & Expo Center
14500 E. 12 Mile Road, Warren, MI 48088

Connect with industry insiders:

- Discover the career pathway that's right for you
- Hear from recent grads who found good-paying career employment
- Meet local businesses and learn who employers are hiring
- Learn about job skills that are in high demand
- Learn about apprenticeship programs including the Michigan Apprenticeship Program Plus (MAP+)

Interactive sessions:

- Industry of the Future
- Getting into an Apprenticeship
- Career Options and Outlook

Pre-register to double your chances of winning a laptop when you attend this event!
www.macomb.edu/MFGevening
Questions? Call Ashley Schloss at 586.445.7117

Center for Advanced Automotive Technology (CAAT) | MISD | MAP+ | Macomb Community College

Registration ongoing for MCC winter semester

Interested in cybersecurity or global supply chain management? Or a career in science, engineering or math? Macomb's winter semester begins Jan. 6, and there is still time to apply and/or register for classes in any of these or in another of Macomb's nearly 200 programs.

Admitted students may register for classes online anytime at macomb.edu, with the exception of from 12 to 1:30 a.m. daily and from 6 a.m. to noon on Sundays, when the system is down for regular updating. Computers and staff are available for assistance with My Macomb self-registration in the Student Services Labs, located in G Building on South Campus and H Building on Center Campus. Records and Registration staff also are available to assist students with lobby computers in G Buildings on both campuses.

Students who have not yet applied for the winter semester may do so at macomb.edu. Click on the Apply tab at the top right of the page. All of Macomb's 2020 winter class offerings can be found at macomb.edu.

For more information, call 586.445.7999.

Students offer talents at IT Showcase

It was the reverse of a career fair, where students traditionally approach tables of prospective employers to learn about job opportunities at their respective companies. Instead, at the IT Talent Showcase, held at Macomb's South Campus on Nov. 15, companies in the market for information technology (IT) graduates sent represen-

tatives to learn what Macomb students had to offer.

Organized by the college's Career Services Office, students participating in the showcase were coached on presentation skills and resume writing prior to the event. Part of each student's presentation was a 30-second "elevator speech," designed to pitch themselves to employers as a potential job candidate.

Macomb offers seven IT programs, ranging from Cloud Computing to Website Programming. Mackenzie Ripari of Chesterfield Township, who holds a bachelor's degree in psychology from the University of Michigan, is in the Programming program, pursuing a skill-specific certificate in C++.

"I'm hoping I can land an internship or part-time IT job," said Ripari of his reason for signing up for the IT Showcase.

Ripari created a storyboard, showing the different IT projects he has worked on at Macomb, which he displayed on an eight-foot table, along with copies of his resume and business cards identifying him as a programmer and database designer. Companies sending representatives to the IT Talent Showcase to talk to Ripari and the other students included All State Fastener, BPI, Ina Comp TSG, Intrepid IT, Techie Gurus and Tempered Network.

But regardless of whether the showcase netted them an employment offer or not, most students saw it as a significant learning experience.

"There was no good reason not to attend," said Connor Jurelich, cybersecurity major. "Whether it's a new job, an internship or the experience of selling yourself, you only stand to gain from participating in an event like this."

Anchor Bay Schools
Armada Area Schools
Centerline Public Schools
Chippewa Valley Schools
Clintondale Community Schools
Eastpointe Community Schools
Fitzgerald Public Schools
Fraser Public Schools
Lake Shore Public Schools
Lakeview Public Schools
L'Anse Creuse Public Schools
Mount Clemens Community Schools
New Haven Community Schools

For more information about CTE, contact Shannon Williams at 586.228.3488 or swilliams@misd.net



Macomb Intermediate School District
44001 Garfield Road
Clinton Township, MI 48038
586.228.3300

For more information about the MISD and the 21 school districts, go to www.misd.net

Richmond Community Schools
Romeo Community Schools
Roseville Community Schools
South Lake Community Schools
Utica Community Schools
Van Dyke Public Schools
Warren Consolidated Schools
Warren Woods Public Schools

It is the policy of the MISD that no person on the basis of race, creed, color, religion, national origin, age, sex, height, weight, marital status, or disability shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program or activity for which the MISD is responsible.